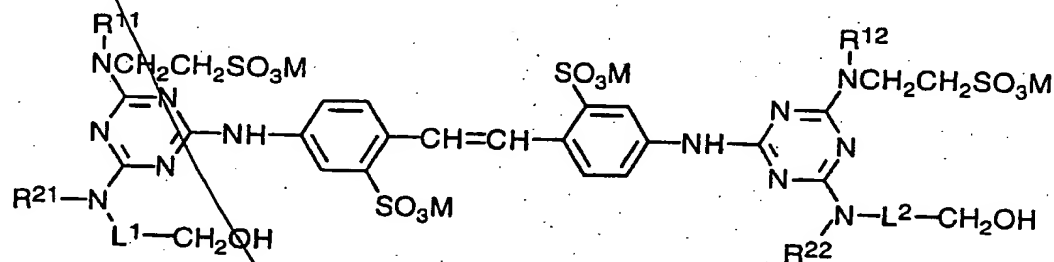


What is claimed is:

1. 4,4'-Bis(1,3,5-triazinylamino)stilbene-2,2'-
5 disulfonic acid derivative having the following formula:



in which

each of R^{11} and R^{12} independently is a hydrogen atom,
15 an alkyl group having 1 to 20 carbon atoms, or an alkyl
group having 1 to 20 carbon atoms which has one or more
substituents selected from the group consisting of hy-
droxyl, sulfo, and alkoxy;

R^{21} is a hydrogen atom, an alkyl group having 1 to 20
20 carbon atoms, an alkyl group having 1 to 20 carbon atoms
which has one or more substituents selected from the
group consisting of hydroxyl, sulfo, and alkoxy, an aryl
group having 6 to 20 carbon atoms, an aryl group having 6
to 20 carbon atoms which has one or more substituents
25 selected from the group consisting of hydroxyl, carboxyl,
alkyl, or alkoxy, or a group represented by the formula
of $-L^1-CH_2OH$ wherein L^1 is an alkylene group having 2 to 8
carbon atoms which has one or more substituents selected
from the group consisting of hydroxyl and hydroxylalkyl
30 having 1 to 3 carbon atoms or which has an intervening
ether bonding;

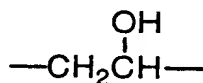
R^{22} is a hydrogen atom, an alkyl group having 1 to 20
carbon atoms, an alkyl group having 1 to 20 carbon atoms
which has one or more substituents selected from the
35 group consisting of hydroxyl, sulfo, and alkoxy, an aryl
group having 6 to 20 carbon atoms, an aryl group having 6

to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, carboxyl, alkyl, or alkoxy, or a group represented by the formula of $-L^2-CH_2OH$ wherein L^2 is an alkylene group having 2 to 8 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl and hydroxylalkyl having 1 to 3 carbon atoms or which has an intervening ether bonding; and

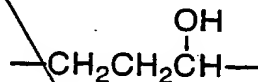
M is a hydrogen atom, an alkali metal atom, an alkaline earth metal atom, ammonium group, or pyridinium group.

2. 4,4'-Bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative of claim 1, wherein at least one of L^1 and L^2 is a divalent group which is represented by one of the following formulas 1) to 5):

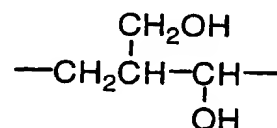
1)



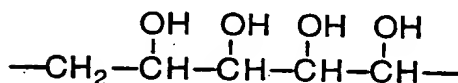
2)



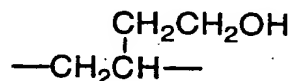
3)



4)

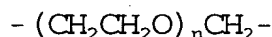
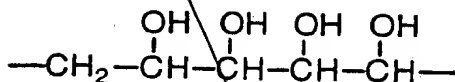
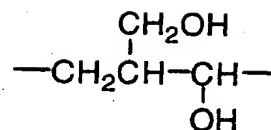


5)



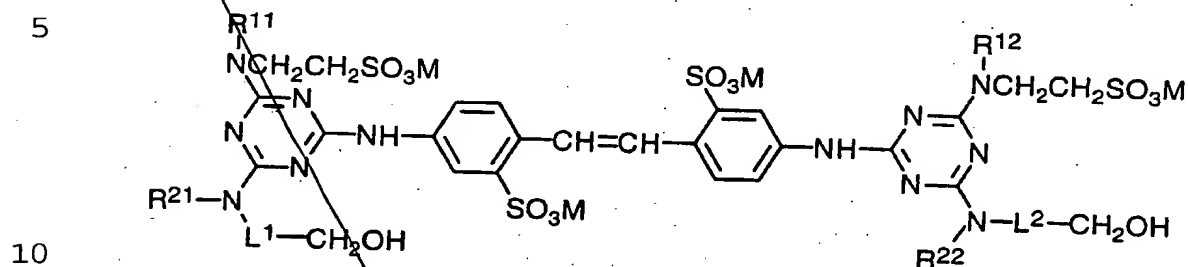
3. 4,4'-Bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative of claim 1, wherein at least one of L^1 and L^2 is a divalent group which is represented by one of the following formulas 1) to 4):

3)



7. 4,4'-Bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative of claim 1, wherein each of R²¹ and R²² in the formula independently is hydrogen, methyl, ethyl, isopropyl, 2-hydroxyethyl, 2-hydroxypropyl, 3-hydroxypropyl, 2,3-dihydroxypropyl, 2-(2-hydroxyethoxy)-ethyl, 2-[2-(2-hydroxyethoxy)ethoxy]ethyl, phenyl, or 4-hydroxyphenyl.

8. An aqueous solution in which a 4,4'-bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative having the following formula is dissolved in water:



in which

each of R¹¹ and R¹² independently is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, or an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy;

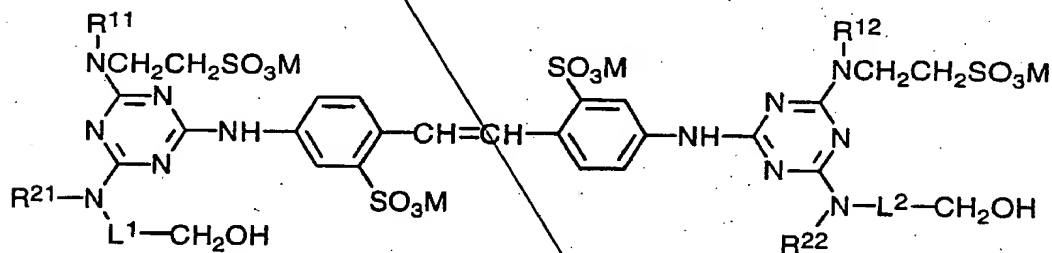
R²¹ is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy, an aryl group having 6 to 20 carbon atoms, an aryl group having 6 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, carboxyl, alkyl, or alkoxy, or a group represented by the formula of -L¹-CH₂OH wherein L¹ is an alkylene group having 2 to 8 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl and hydroxylalkyl having 1 to 3 carbon atoms or which has an intervening ether bonding;

R²² is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy, an aryl group having 6 to 20 carbon atoms, an aryl group having 6 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, carboxyl,

Sub
A'
alkyl, or alkoxy, or a group represented by the formula
of $-L^2-CH_2OH$ wherein L^2 is an alkylene group having 2 to 8
carbon atoms which has one or more substituents selected
from the group consisting of hydroxyl and hydroxylalkyl
having 1 to 3 carbon atoms or which has an intervening
ether bonding; and

M is a hydrogen atom, an alkali metal atom, an alkaline earth metal atom, ammonium group, or pyridinium group.

9. A method of brightening a surface of material with fluorescence which comprises applying onto the surface an aqueous solution in which a 4,4'-bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative having the following formula is dissolved in water:



in which

each of R^{11} and R^{12} independently is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, or an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy;

R^{21} is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy, an aryl group having 6 to 20 carbon atoms, an aryl group having 6 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, carboxyl, alkyl, or alkoxy, or a group represented by the formula

5 of $-L^1-CH_2OH$ wherein L^1 is an alkylene group having 2 to 8 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl and hydroxylalkyl having 1 to 3 carbon atoms or which has an intervening ether bonding;

10 R^{22} is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy, an aryl group having 6 to 20 carbon atoms, an aryl group having 6 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, carboxyl, alkyl, or alkoxy, or a group represented by the formula of $-L^2-CH_2OH$ wherein L^2 is an alkylene group having 2 to 8 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl and hydroxylalkyl having 1 to 3 carbon atoms or which has an intervening ether bonding; and

20 M is a hydrogen atom, an alkali metal atom, an alkaline earth metal atom, ammonium group, or pyridinium group.

Sub
Al

RECEIVED
JAN 10 1964
FBI - NEW YORK

add
C1